

APPROVED	O.G. FIG. 54
BY	CLASS
DRAFTSMAN	SUBCLASS
	395
	60X

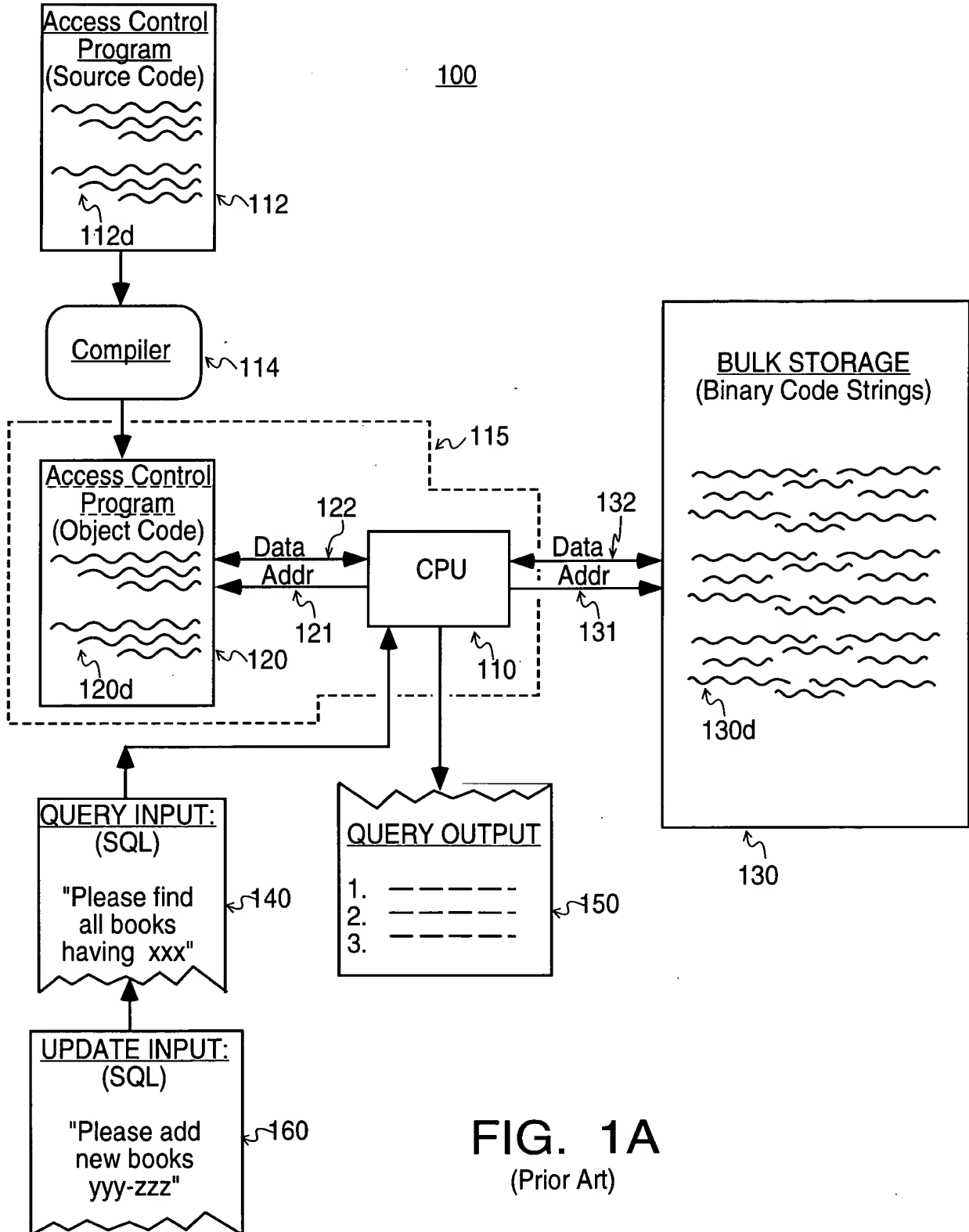


FIG. 1A  
(Prior Art)

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

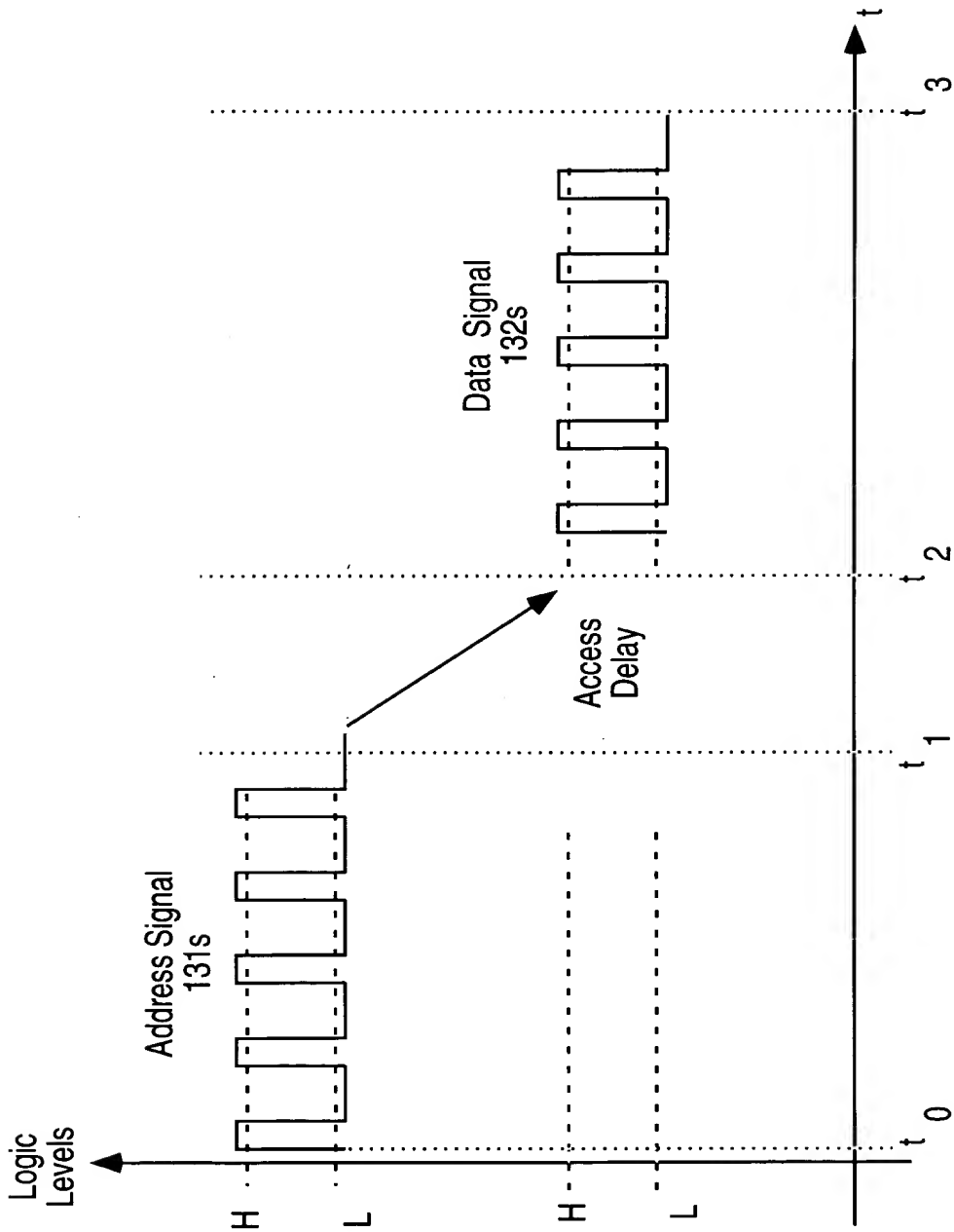
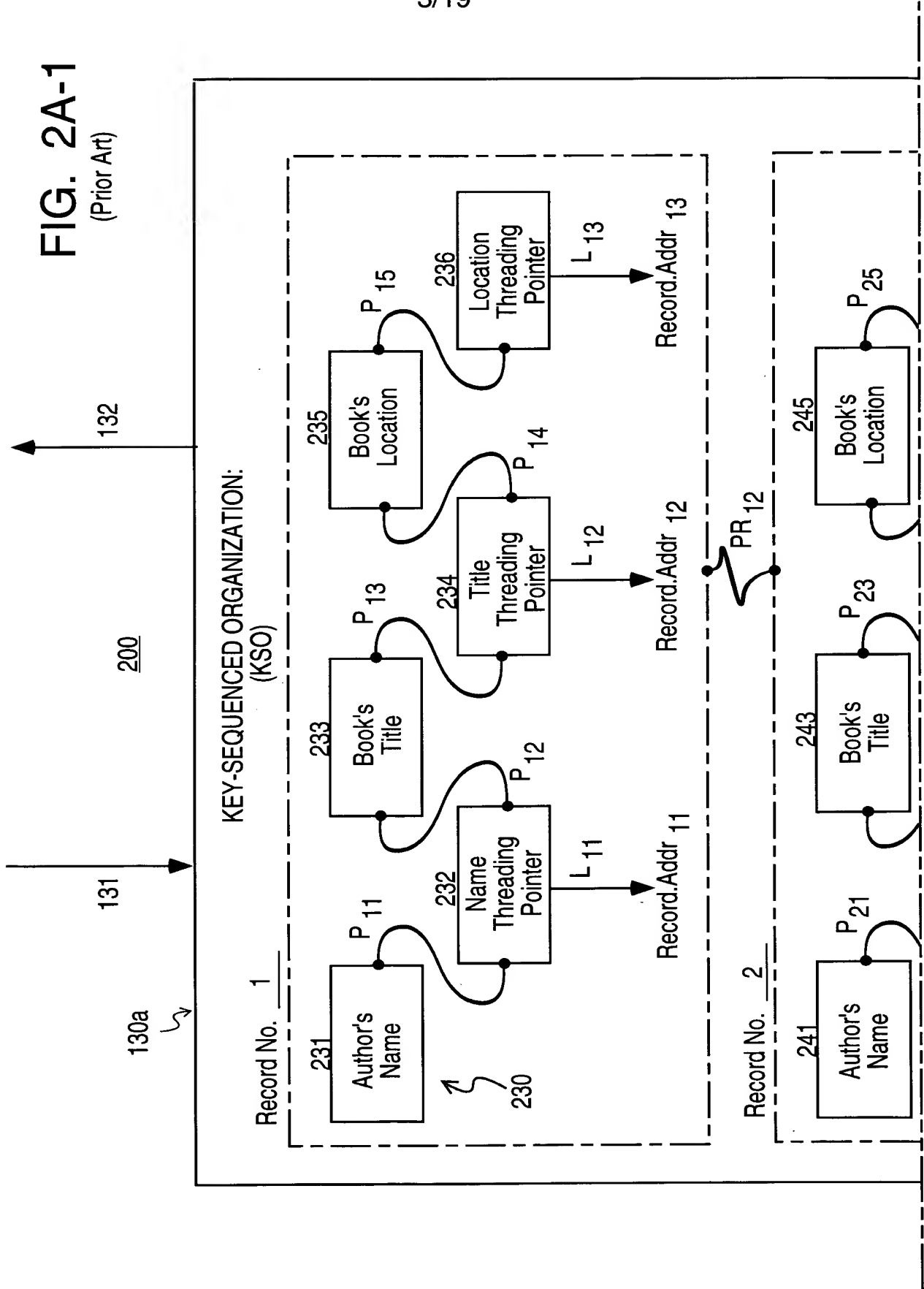


FIG. 1B  
(Prior Art)

FIG. 2A-1  
(Prior Art)



APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

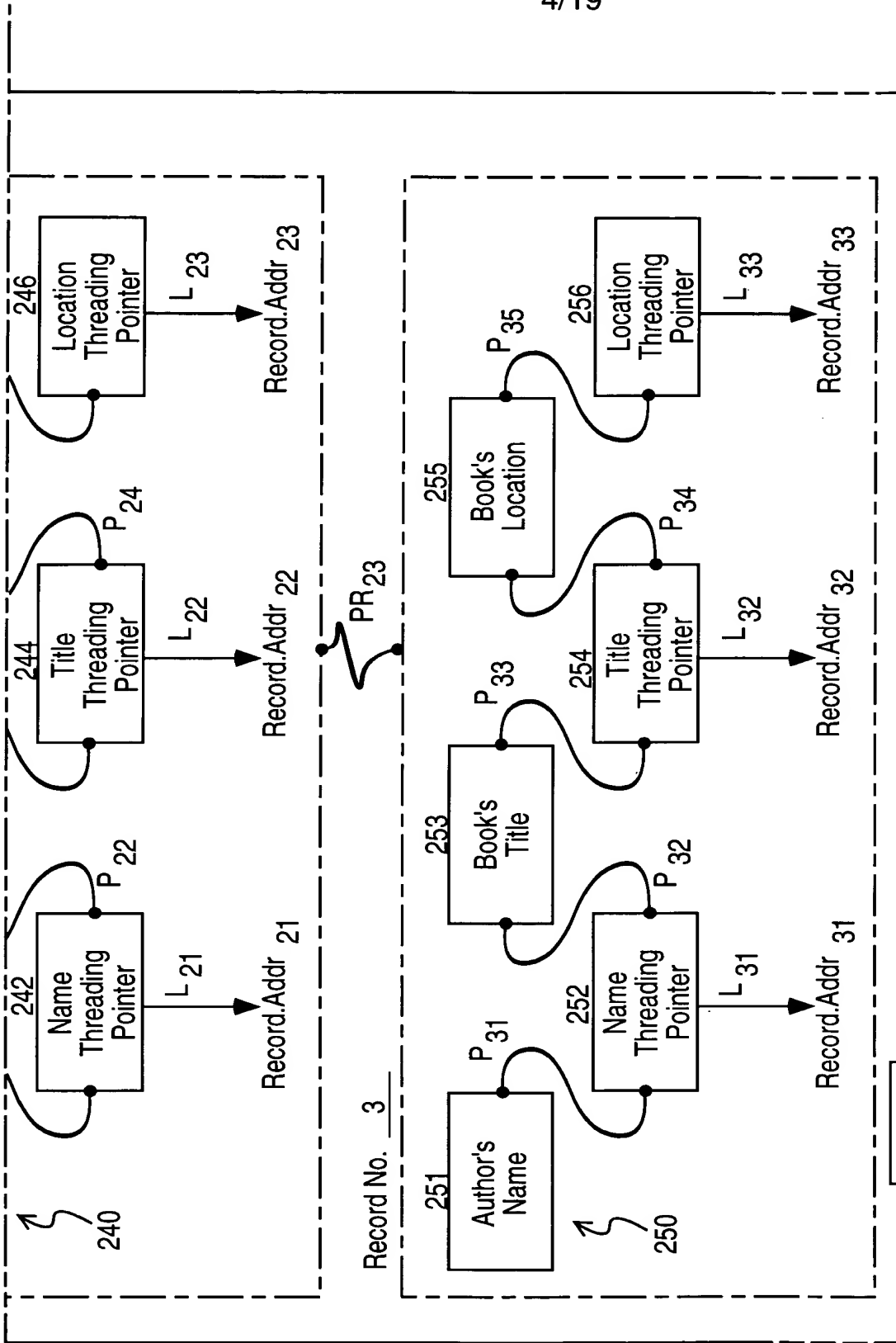
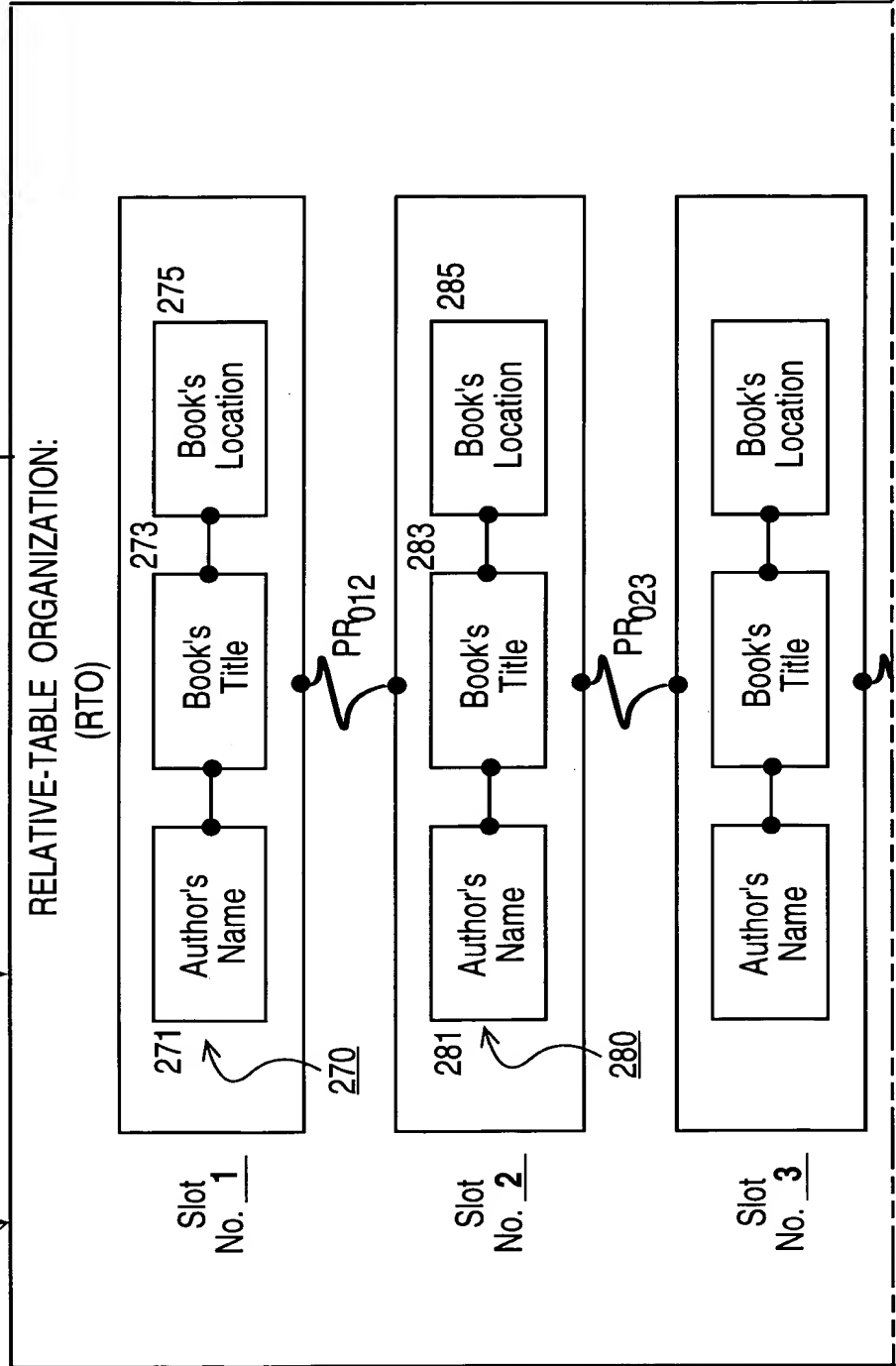


FIG. 2A-2  
(Prior Art)

FIG.	2A-1
FIG.	2A-2

FIG. 2A



APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY		
DRAFTSMAN		

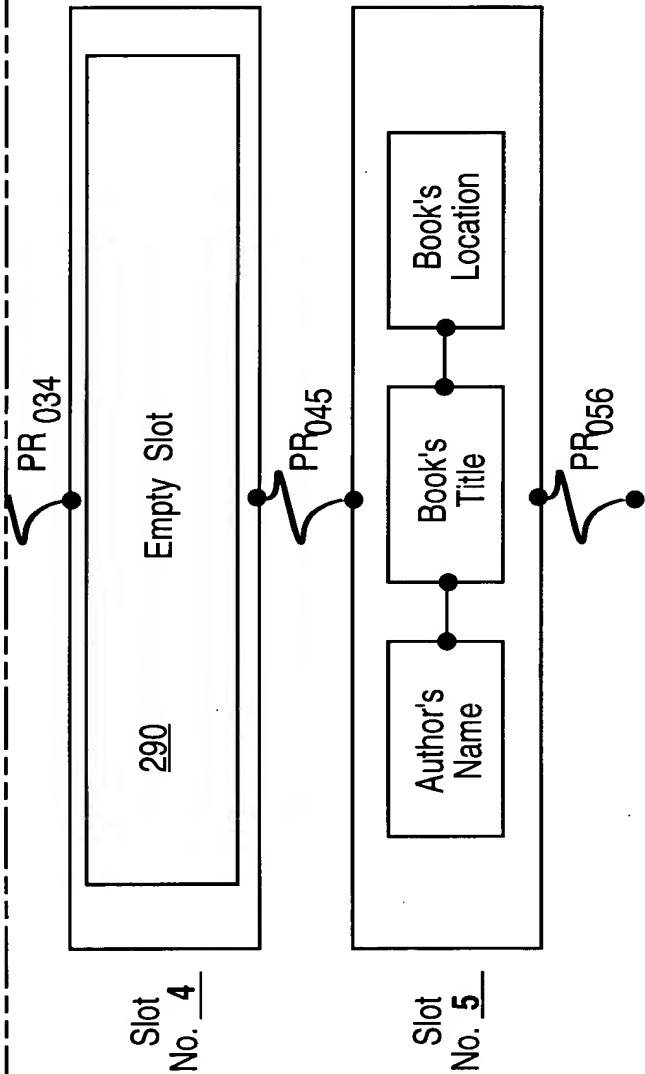
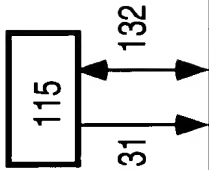


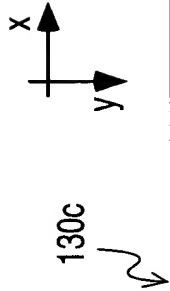
FIG. 2B-2  
(Prior Art)

FIG.	FIG. 2B
2B-1	
FIG.	
2B-2	

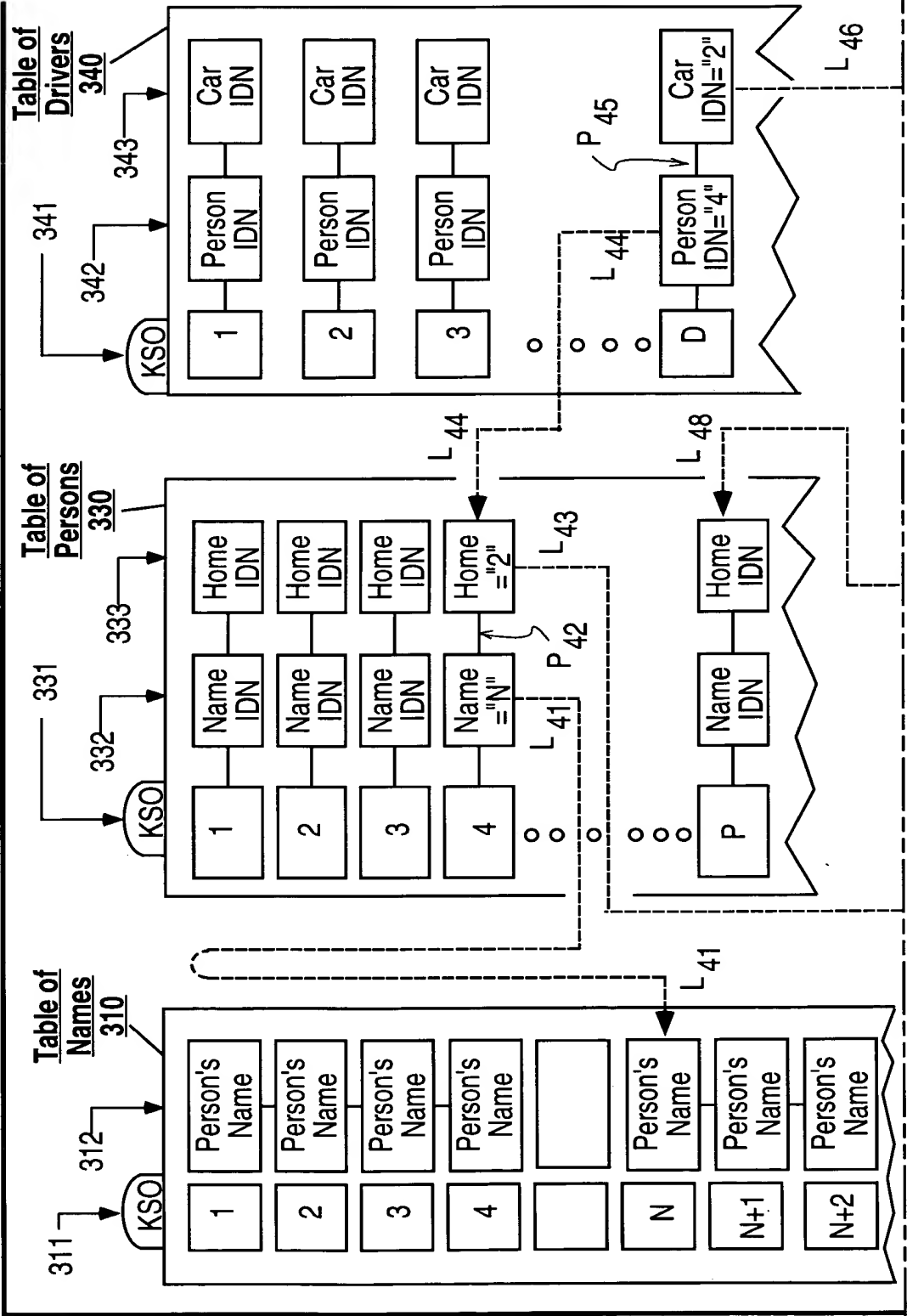
APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	



**FIG. 3A**  
(Prior Art)



300



APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

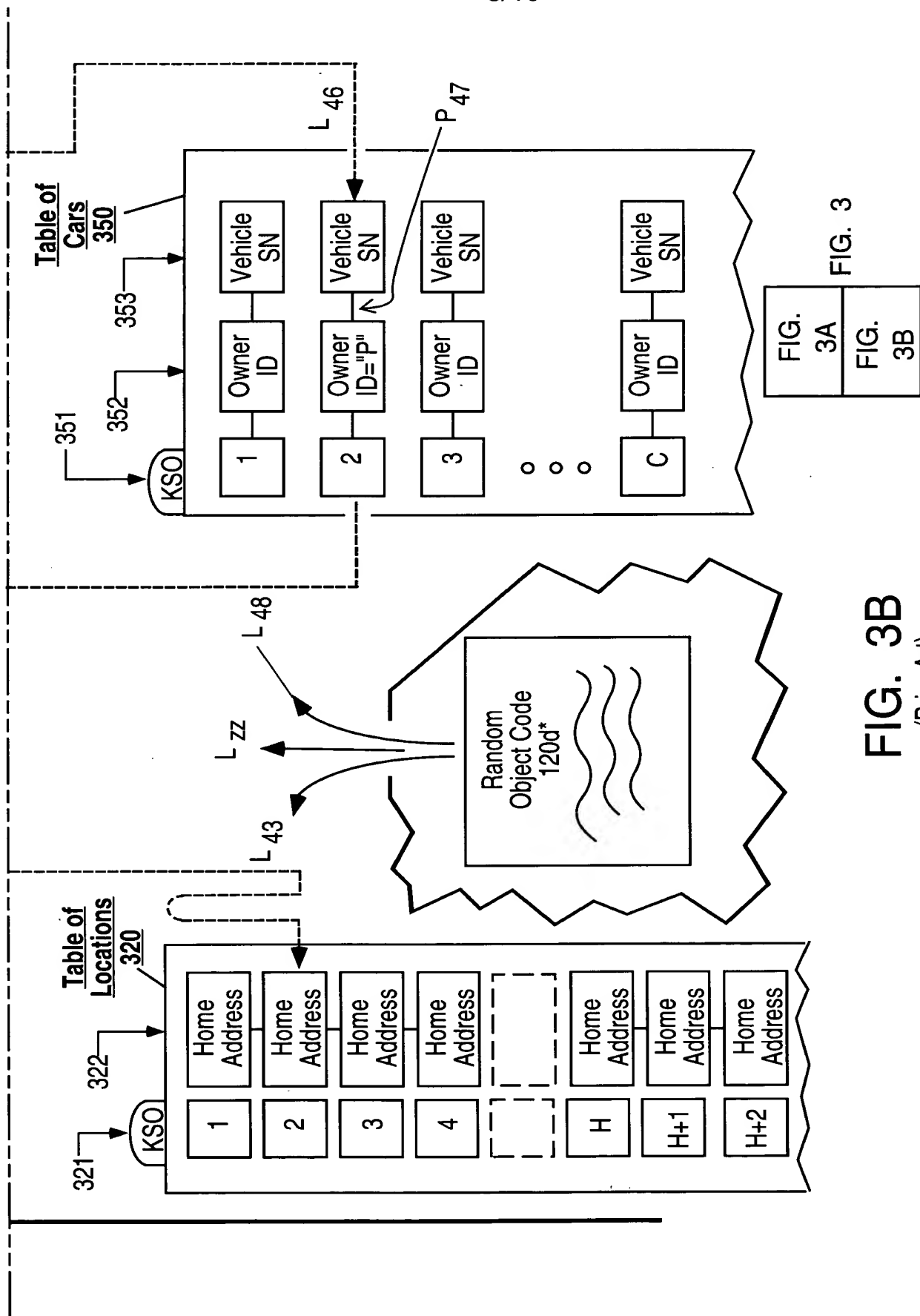


FIG. 3A	FIG. 3
FIG. 3B	

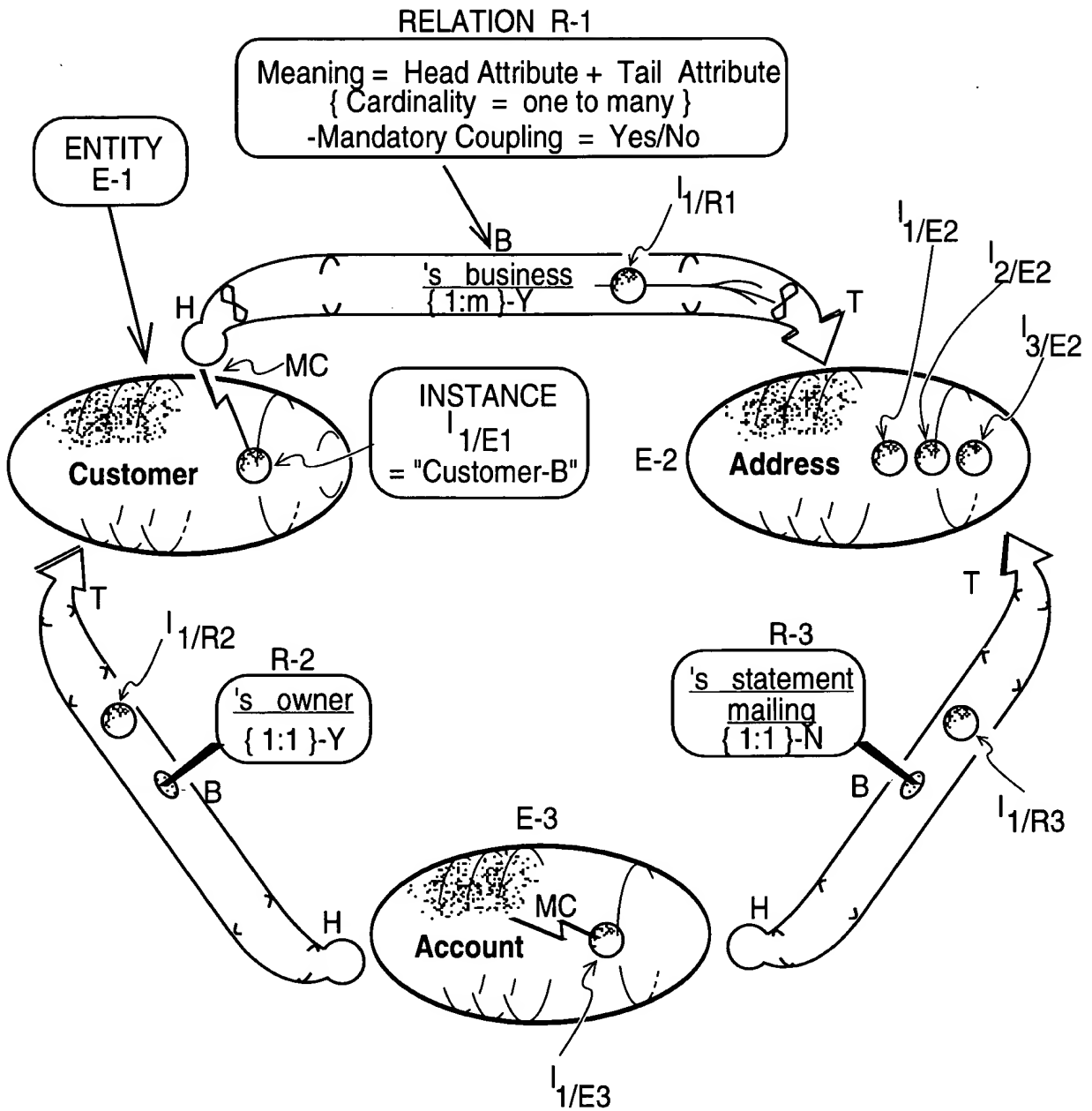


9/19

FIG. 4A

400

APPROVED	BY	DRAFTSMAN
O.G. FIG. 4A	CLASS	SUBCLASS
	35	60x



10/19

FIG. 4B

450

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

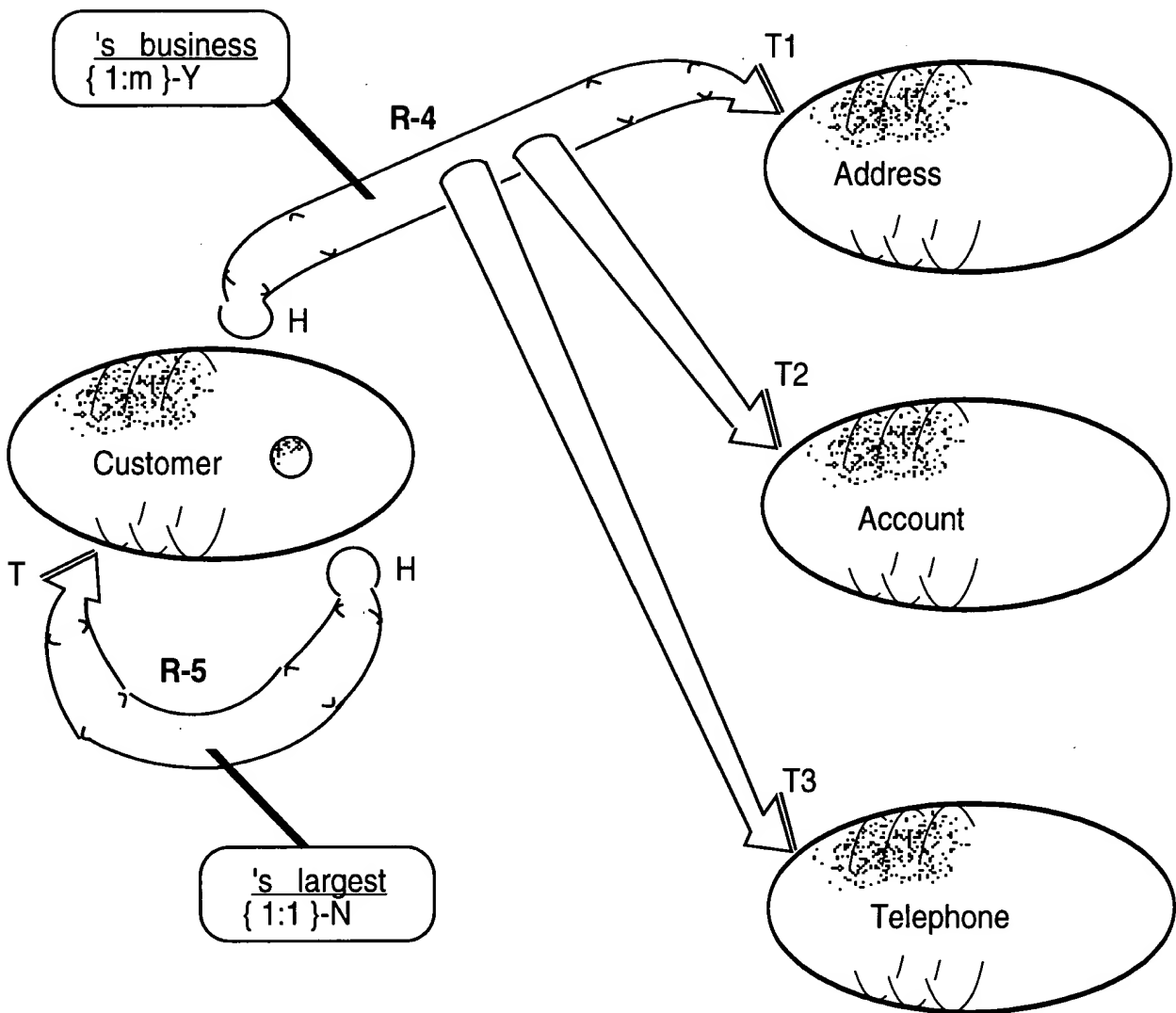


FIG. 5

130-RP

131

132

500

ENT.DEF Table

RTO

Entity Type No. = Slot No.	Entity Class Name Abbreviation (Full Name)	Name of Single Table where instances are stored
.1.	CU (Customer)	T.Companies
.2.	AD (Address)	T.Addresses
.3.	AC (Account )	T.Accounts
.4.	SU (Supplier)	T.Companies
.ETN	EA	EiT

500a

500b

APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY		
DRAFTSMAN		

12/19

FIG. 6A

130-RP

131 ↓ ↑ 132

O.G. FIG.	
CLASS	SUBCLASS
APPROVED	DRAFTSMAN
BY	

600  
REL.DEF. Table

RTO

Relation Type No. = Slot No.	Relation Class Name Abbreviation (Full Name)	Name of Single Table where instances of Relation are stored	Head Entity Type Number (Full Name)	First Tail Entity Type Number (Full Name)	Cardinality 600f		
.1.	-BU- ( 's Business)	T.Rel-1	.1 (Customer )	.2 (Address)		{1:m}	Y
.2.	-OW- ( 's Owning)	T.Rel-2	.3 (Account)	.1 (Customer )		{1:1}	Y
.3.	-SM- ( 's St. Mailing)	T.Rel-3	.3 (Account)	.2 (Address)		{1:1}	N
.4.	-HQ- ( 's Main Headqtrs)	T.Rel-1	.1 (Customer )	.2 (Address)		{1:1}	Y
.RTN	-RA-	RiT	ETN <sub>h</sub>	ETN <sub>t1</sub>			

600a ↑

600b ↑

600c ↑

600d ↑

Optional  
Second thru Fifth  
Tail Entity  
Names  
(type)  
600e

Mandatory  
Head  
Coupling  
600g

130-RP

13/19

FIG. 6B

131

132

RTO

600  
REL.DEF Table

Optional  
Second thru Fifth  
Tail Entity  
Names  
Region  
600e

Tail-Activation  
Mask  
(606)

	T2 (602)	T3 (603)	T4 (604)	T5 (605)	
.1	.4 (Supplier)	.5 (Area)	.6 (Phone No.)	.3 (Account)	● ○ ○ ○ ○
.2	.7 (Branch)				● ○ ○ ○ ○
.3	.7 (Branch)	.8 (Contact Person)			● ○ ○ ○ ○
.4	.6 (Phone No.)	.8 (Contact Person)	.3 (Account)		● ● ○ ● ○
.5					○ ○ ○ ○ ○

Entity  
Type Number  
(and Name)

Relation  
Type  
No.

T1 T2 T3 T4 T5

APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY	DRAFTSMAN	





APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY		
	DRAFTSMAN	

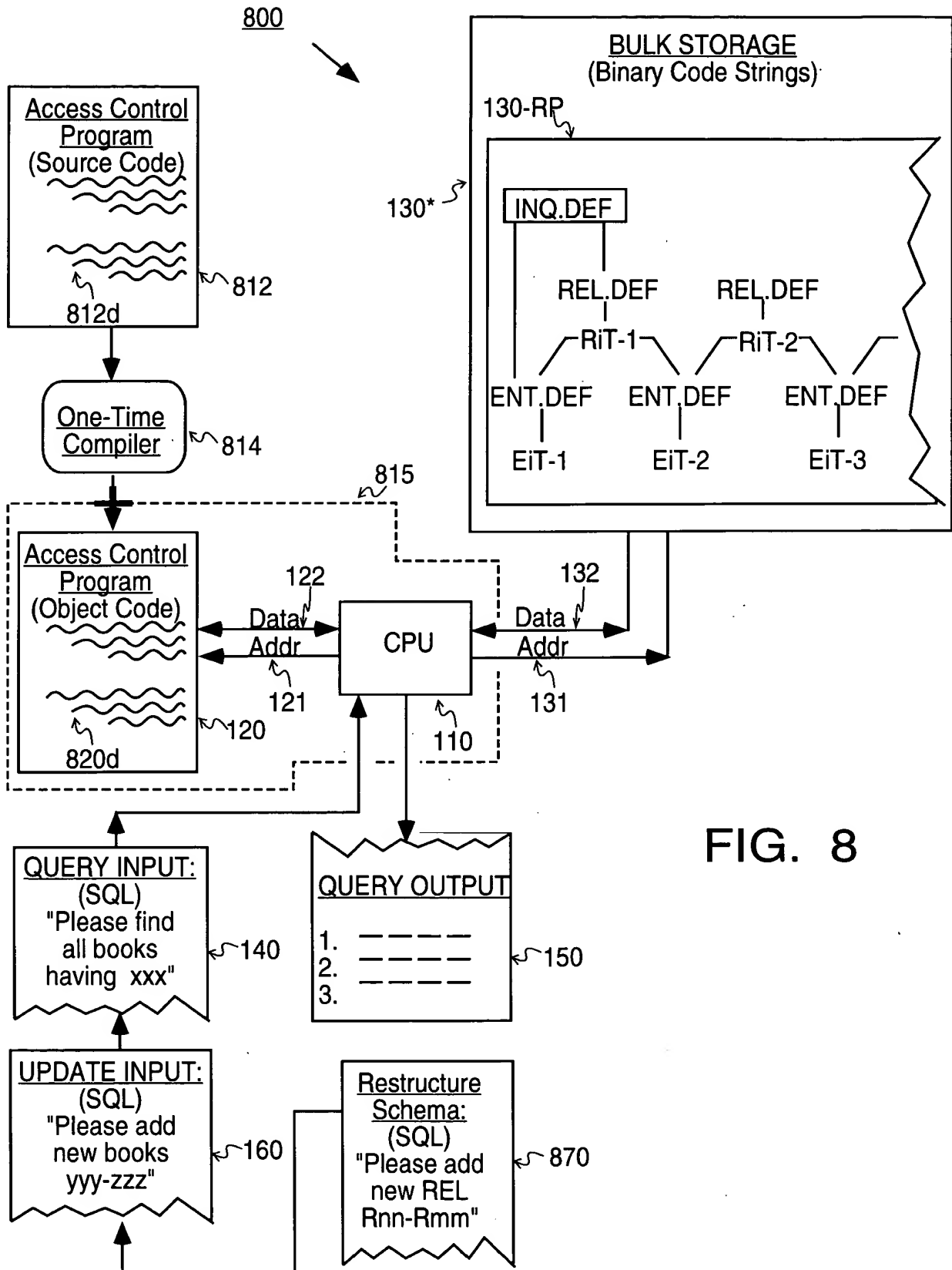
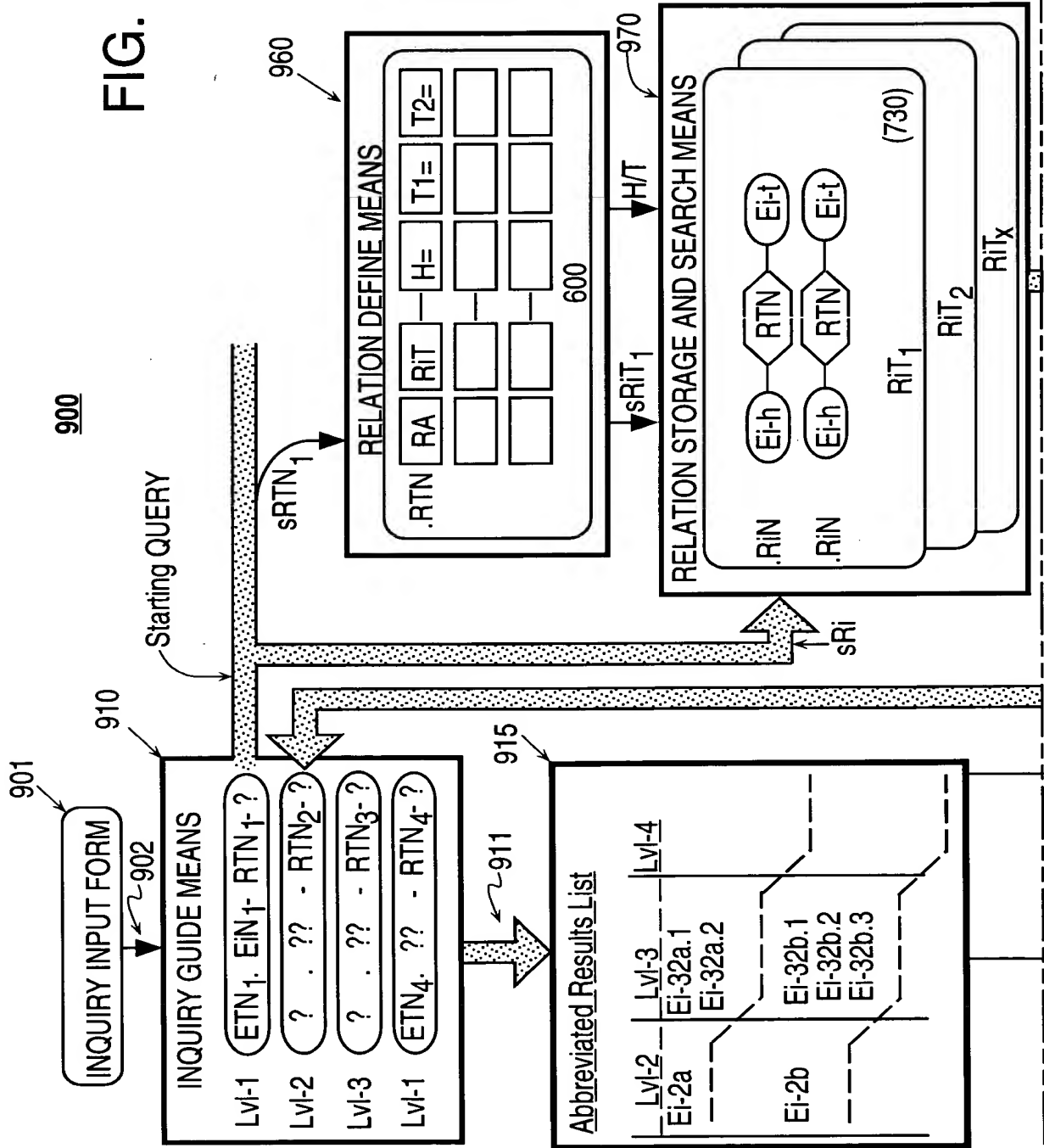


FIG. 8



FIG. 9A



APPROVED	O.G. FIG.		
BY	CLASS	SUBCLASS	
DRAFTSMAN			

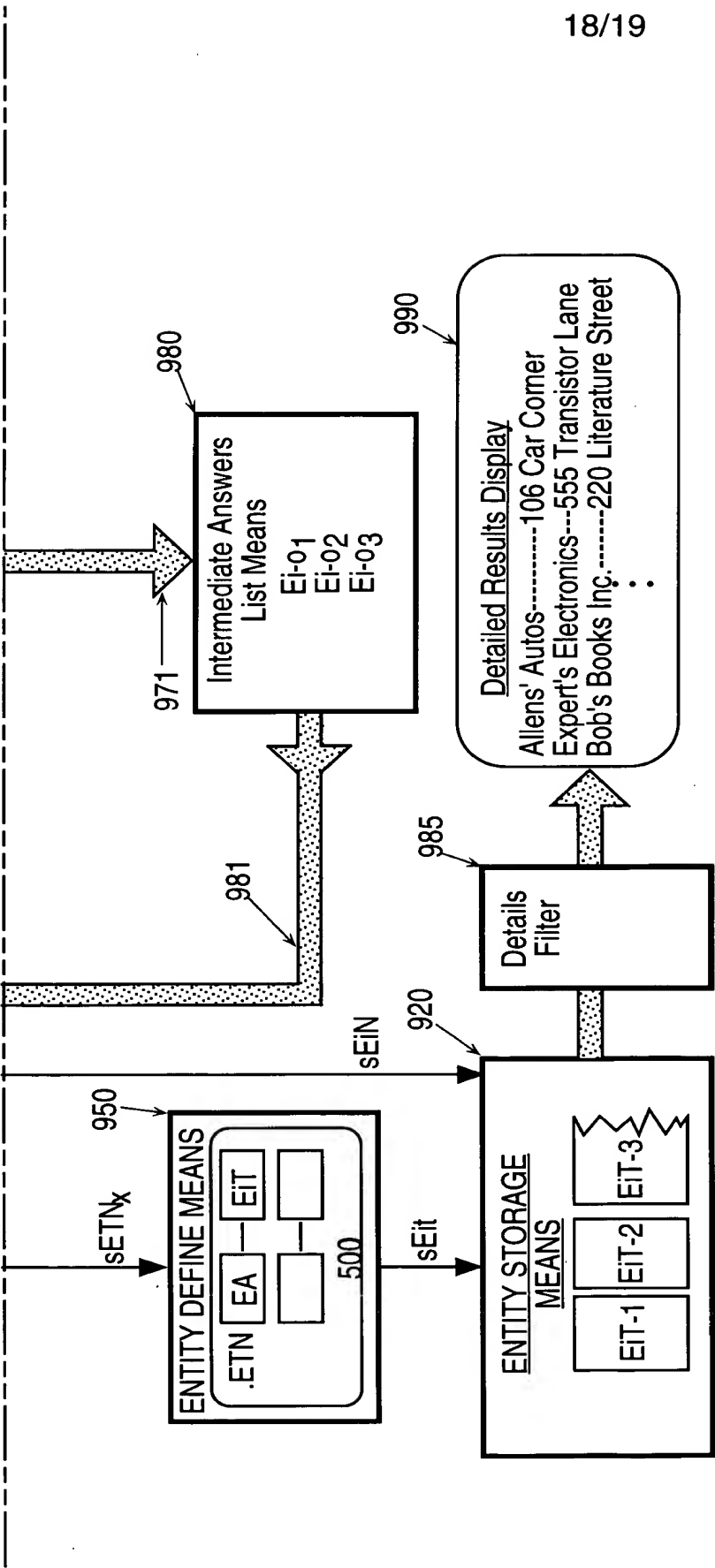


FIG. 9B

FIG. 9A	FIG. 9
FIG. 9B	

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

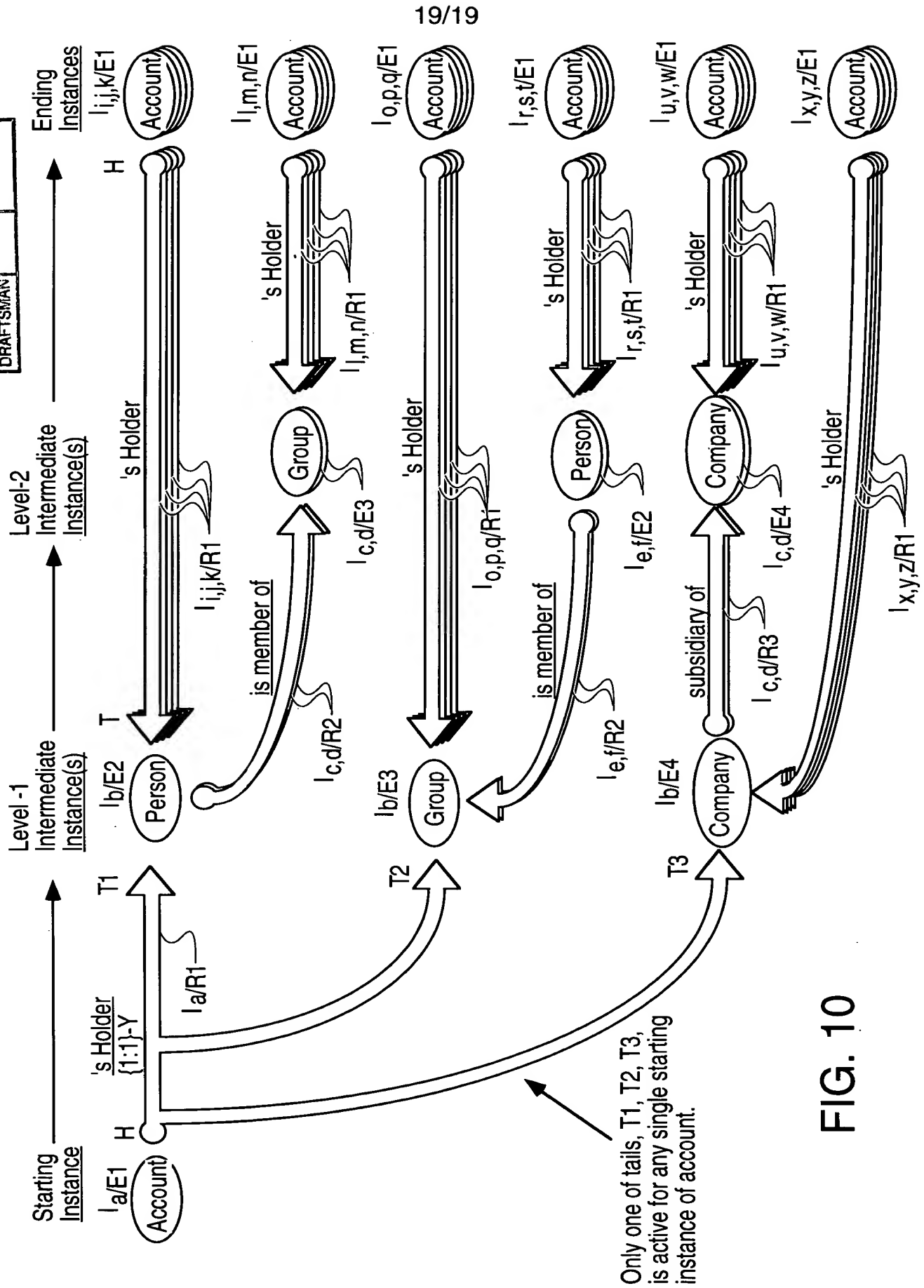


FIG. 10